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(54) Title: **ACYL RIBONUCLEOSIDES AND ACYL DEOXYRIBONUCLEOSIDES**

(57) Abstract: The present invention is concerned with acyl ribonucleosides and with acyl deoxyribonucleosides. It is furthermore concerned with an enzymatic process for the manufacture of acyl ribonucleosides and of acyl deoxyribonucleosides. It is furthermore concerned with the use of acyl ribonucleosides and of acyl deoxyribonucleosides for cosmetic and for pharmaceutical purposes and with their use as a food supplement for humans or animals. It is furthermore concerned with compositions containing acyl ribonucleosides and acyl deoxyribonucleosides, whereby these compositions are suitable for cosmetic or for pharmaceutical purposes or as food supplement.

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